

## CENTER FOR COMPUTER SCIENCE

*Sponsored by Science Applications International Corporation*



**LOCATION:** Aberdeen High School

**ENTERING GRADES:**

Session I: 4-7;

Session II: 8-10

**TYPE:** Non-residential

**DATES OF OPERATION:**

Session I: July 11-22

Session II: July 25 - August 5

Both sessions meet

8:00a.m. - 3:00p.m.

**TUITION:** \$100 for a two-week non-residential program

Learn a new way to be creative by programming with ALICE ([www.alice.org](http://www.alice.org)), a 3D environment designed for beginning programmers. The ALICE programming environment was developed by the Dr. Randy Pausch at the University of Virginia and later at Carnegie Mellon University. His goal was to demystify computer programming and encourage more students to explore careers in Computer Engineering, Computer Science, and Cyber-Security.

Currently in partnership with Electronic Arts (EA), character models from the Sims 2 are manipulated in a drag and drop environment to create animated stories and games.

Using this platform, participants will become the architects of their own virtual



worlds, animating visual objects using straightforward commands that make programming easier to understand.

Students will exercise their creativity, problem-solving, and critical thinking skills while designing a final project to present at the conclusion of the session. The skills developed through ALICE provide a useful foundation for learning more advanced programming in languages such as Java or C++. Students will also

learn valuable processes essential to programming. This includes everything from the software development cycle to "CamelCase".

Lastly, the two-week experience will emphasize Internet safety and highlight possible careers in Computer Science and Cyber-security.

**Mail completed application to:**

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